



2ND SEM. 2005

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER 2005

**PROGRAMME: DIPLOMA IN HOME ECONOMICS
EDUCATION & HOME ECONOMICS
YEAR III**

COURSE CODE: FRHD 303

TITLE OF PAPER: HOME TECHNOLOGY

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER QUESTION ONE (1)
AND ANY OTHER (2) QUESTIONS**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN
GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1

“A vacuum cleaner is a relatively simple machine used in modern home, and many malfunctions can easily be repaired by a knowledge and competent Home technologist.”

- a) State the problems that a vacuum cleaner can develop? 8
 - b) Highlight the potential causes, and 16
 - c) Enumerate the solution for its repairs, 16
- [Total=40 marks]

NB: You are expected to design a trouble shooting chart

QUESTION 2

- a) Electric overload are very common in homes. Explain what are overload is and cite solutions to overload problems. 15
 - b) List the special features of a refrigerator which can enhance its performance and contribute more to efficient home. 15
- [Total=30 marks]

QUESTION 3

Write explanatory notes on the following technical terms used in Home Technology:

- a) Cooling load 5
 - b) Thermostat 5
 - c) Humidistat 5
 - d) Comfort air conditioner 5
 - e) Process air conditioner 4
 - f) Supply air 2
 - g) Exhaust air 2
 - h) Outside air 2
- [Total=30 marks]

QUESTION 4

Compile a list of ten (10) basic cooking tools which are essential for an ideal family kitchen today.
Discuss the function of each of these. [Total=30 marks]